Financial Assistance to Power Projects

2371. SHRI E. BALANANDAN: Will the Minister of POWER be pleased to state:

(a) whether Indian Financial Institutions including Industrial Development Bank of India have committed financial assistance to the power projects in States, if so, the details, State-wise; and

(b) the reasons for depriving the other States?

THE MINISTER OF POWER (SHRI R. KUMARAMANGALAM): (a) and (b) Indian Financial Institutions (IFIs) sanction loan assistance to individual power projects after detailed appraisal. This appraisal is done on the merits of each project and not on a State-wise basis. Based on information available, details of projects approved by IFIs are as given below:

Sl. No.	State	No. of Projects whichhave tied up assistance from IFIs	Capacity (MW)
1.	Andhra Pradesh	7	1358
2.	Maharashtra	2	1104
3.	Orissa	1	420
4.	Himachal Pradesh	1	300
5.	Gujarat	4	1586.7
6.	Madhya Pradesh	5	2556.25
7.	Bihar	1	67.5
8.	West Bengal	1	500
9.	Karnataka	5	318.6
10.	Tamil Nadu	5	1940.5
11.	Assam	1	90
12.	Rajasthan	3	905.7
	TOTAL	36	11147.25

Requirement of Power in Assam

2372. DR. ARUN KUMAR SARMA: Will the Minister of POWER be pleased to state:

(a) the total projected requirement of power in the State of Assam by 2020 AD;

(b) the quantum of electricity generated by the existing power plants in the State;

(c) whether the required power is to be fulfilled by the present power plants in Assam;

(d) if not, the specific steps being taken by Government to fulfil the demand of electricity in the State; and

(e) the pattern of meeting the present shortage of electricity in Assam from different agencies including National Power Grid?

THE MINISTER OF POWER (SHRI R. KUMARAMANGALAM): (a) No projection of requirement of power by 2020 A.D. has been made. However, according to 15th Electric Power Survey Report, the energy requirement of Assam by the end of 11th Plan (2011-12) is 9124 MUs.

(b) The energy generated by the existing power plants in Assam during 1997-98 was 1072 MUs and from April, 1998 to June, 1998 is 399 MUs.

(ii) Efforts are being made to operate large generating units of 210/ 500 MW capacity in free governor mode, which facilitates automatic reduction in generation in the event of high frequency.

(iii) A scheme of rotational shutdown of generating units has been implemented.

(iv) Export of surplus power of eastern region to neighbouring regions/ States is being made to the maximum possible extent, subject to the transfer capacity of the inter-regional transmission lines.

(v) Some of the constituents have introduced TOD tariff for flattening the load curve and consequently reducing high frequency during off-peak hours.

(vi) Two-shift operation in some of the machines has been carried out to control high frequency.

(c) and (d) Region-wise backing down figures on account of low system demand during the years 1996-97 and 1997-98 is given below:

Figures in MU

Regions	1996-97	1997-98
Northern Region	2294.4	3063.4
Western Region	1658.6	4345.4
Southern Region	i87.4	167.6
Eastern Region	—	1674.6
North-Eastern Region	0.0	0.0
	4140.4	9251.0

(c) to (e) Assam is meeting its requirements from its own generation, import from central stations in North Eastern Region and from central stations in Eastern Region and assistance from neighbouring States of North Eastern Region. The pattern of meeting the present requirement of electricity in Assam for the month of May, 1998 is given below:

1. Own Generation of Assam 92.6 MU (39.9%)
2. Import from Central Stations in Eastern Region 48.9 MU (21.1%)
3. Import from Central Stations in NE Region 88.4 MU (38.1%)
4. Import from Neighbouring States 2.0 MU (0.9%)

Various measures taken to improve the availability of power in Assam include—(i) coordinated and optimal utilisation of existing generating capacity, (ii) Promotion of bilateral exchange between surplus States and deficit States of the North Eastern Region; (iii) Allocation of 100 MW power to Assam from the unallocated output of NTPC stations located in the neighbouring Eastern Region.

Frequency of Eastern Regional Electricity Board Grid

2373. SHRI DIPANKAR MUKHERJEE: Will the Minister of POWER be pleased to state:

(a) the average frequency of Eastern Regional Electricity Board (EREB) grid;

(b) measures taken to tackle high frequency problem of the grid;

(c) the backing down figure (in MU) in EREB in 1996-97 and 1997-98; and